

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 65-70 Cancelled (without prejudice or disclaimer)

71. (Currently Amended) A system comprising:

(a) ~~[[a]]~~ an optical reader including an imaging assembly, a display, a keyboard, an acoustic output device and a controller configured to capture image data and decode decodable bar code symbols therein, said optical reader further including a hand held housing encapsulating said imaging assembly and said controller, said hand held housing further supporting said display and said keyboard; and

(b) a host processor spaced apart from optical reader, wherein said hand held housing is adapted to be held in a human hand so that said optical reader is moveable between a variety of orientations and distances with respect to said host processor;

(c) wherein said system is configured so that in a first mode said host processor sends to said optical reader a beeper control instruction, wherein said optical reader substantially on receipt of said beeper control instruction actuates said acoustic output device so that said acoustic output device emits a series of beeps;

(d) wherein said system is further configured so that in a second mode said host processor sends to said optical reader a display control instruction, wherein said optical reader substantially on receipt of said display control instruction causes a predetermined indicia to be displayed on said display.

72. (Previously Presented) The system of claim 71, wherein said optical reader further includes a light source, and wherein said system is configured so that said host processor in a further mode sends to said optical reader a light source control instruction, said optical reader substantially on receipt of said light source instruction causes said light source to flash on and off.

73. (Previously Presented) The system of claim 71, wherein said acoustic output device is a speaker.

74. (Previously Presented) The system of claim 71, wherein said imaging assembly includes a two dimensional solid state image sensor.

75. (Previously Presented) The system of claim 71, wherein said display is provided by a liquid crystal display.

76. (Currently Amended) A method for attracting attention of an operator of a hand held optical reader, said hand held optical reader having an artificial light source directing light toward a target, an acoustic output device, a wireless communication link, a display, and being configured to decode decodable bar code symbols represented in captured images, said method comprising the steps of:

- (a) programming said hand held optical reader to wirelessly receive at least one component control instruction from a spaced apart host processor, said component control instruction being selected from the group consisting of a light source flashing component control instruction which when executed by said hand held optical reader results in said artificial light source flashing according to a predetermined pattern, an acoustic output device component control instruction which when executed by said hand held optical reader causes said acoustic output device to emit a series of beeps, and a display output component control instruction which when executed by said hand held optical reader results in a predetermined indicia being displayed on said display, wherein said programming step includes the step of configuring said hand held optical reader to execute said at least one component control instruction to produce a user-perceivable result substantially on receipt of said component control instruction; and
- (b) wirelessly sending from a spaced apart host processor to said hand held optical reader at least one of said light source flashing component control instruction, said acoustic output device component control instruction, and said display output

component control instruction, whereby a user-perceivable result is produced by said hand held optical reader substantially on receipt of said at least one component control instruction so that attention of an operator of said hand held optical reader is attracted.

77. (Previously Presented) The method of claim 76, wherein said wirelessly sending step includes the step of wirelessly sending said light source flashing component control instruction from said spaced apart host processor to said hand held optical reader.

78. (Currently Amended) The method of claim 76, wherein said wirelessly sending step includes the step of wirelessly sending said light source flashing component control instruction from said spaced apart host processor to said hand held optical reader, ~~wherein said hand held optical reader is configured~~ so that substantially on receipt of said light source component control instruction, said hand held optical reader directs light toward a target of said hand held optical reader.

79. (Previously Presented) The method of claim 76, wherein said wirelessly sending step includes the step of wirelessly sending said acoustic output component control instruction from said spaced apart host processor to said hand held optical reader.

80. (Previously Presented) The method of claim 76, wherein said wirelessly sending step includes the step of wirelessly sending said display output component control instruction from said spaced apart host processor to said hand held optical reader.

81. (Previously Presented) The method of claim 76, wherein said wirelessly sending step includes the step of wirelessly sending said light source flashing component control instruction from said spaced apart host processor to said hand held optical reader, and wirelessly sending said acoustic output component control instruction from said spaced apart host processor to said hand held optical reader.

82. (Previously Presented) The method of claim 76, wherein said wirelessly sending step includes the step of wirelessly sending said light source flashing component control instruction from said spaced apart host processor to said hand held optical reader, and wirelessly sending said display output component control instruction from said spaced apart host processor to said hand held optical reader.

83. (Previously Presented) The method of claim 76, wherein said wirelessly sending step includes the step of wirelessly sending said acoustic output component control instruction from said spaced apart host processor to said hand held optical reader, and wirelessly sending said display output component control instruction from said spaced apart host processor to said hand held optical reader.

Claims 84-96 Cancelled (without prejudice or disclaimer)

97. (New) The method of claim 76, wherein said method further includes the step of initiating said component control instruction by presenting at a location spaced apart from said hand held optical reader a user-input command to control said hand held optical reader.

98. (New) A system comprising:

(a) an optical reader including an imaging assembly, a display, a keyboard, a wireless communication link, an acoustic output device and a controller configured to capture image data and decode decodable bar code symbols therein, said optical reader further including a hand held housing encapsulating said imaging assembly and said controller, said hand held housing further supporting said display and said keyboard; and

(b) a host processor spaced apart from optical reader, wherein said hand held housing is adapted to be held in a human hand so that said optical reader is moveable between a variety of orientations and distances with respect to said host processor;

(c) wherein said system is configured so that in a first mode said host processor wirelessly sends to said optical reader a beeper control instruction, wherein said optical reader substantially on receipt of said beeper control instruction actuates said acoustic output device so that said acoustic output device emits a series of beeps;

(d) wherein said system is further configured so that in a second mode said host processor sends to said optical reader a display control instruction, wherein said optical reader substantially on receipt of said display control instruction causes indicia to be displayed on said display.

99. (New) The system of claim 98, wherein said optical reader further includes a light source, and wherein said system is configured so that said host processor in a further mode sends to said optical reader a light source control instruction, said optical reader substantially on receipt of said light source instruction causes said light source to flash on and off.

100. (New) The system of claim 98, wherein said acoustic output device is a speaker.

101. (New) The system of claim 98, wherein said imaging assembly includes a two dimensional solid state image sensor.

102. (New) The system of claim 98, wherein said system is configured so that said beeper control instruction sent by said host processor in said first mode is initiated by a user by presenting at a location spaced apart from said optical reader a command to control said optical reader.

103. (New) The system of claim 98, wherein said system is configured so that said display control instruction sent by said host processor in said second mode is initiated by a user by presenting at a location spaced apart from said optical reader a command to control said optical reader.

104. (New) A system comprising:

(a) a optical reader including an imaging assembly, a display, a keyboard, an acoustic output device and a controller configured to capture image data and decode decodable bar code symbols therein, said optical reader further including a hand held housing encapsulating said imaging assembly and said controller, said hand held housing further supporting said display and said keyboard; and

(b) a host processor spaced apart from optical reader, wherein said hand held housing is adapted to be held in a human hand so that said optical reader is moveable between a variety of orientations and distances with respect to said host processor;

(c) wherein said system is configured so that in a first mode said host processor sends to said optical reader a beeper control instruction that is initiated by a user by presenting at a location spaced apart from said optical reader a command to control said optical reader, wherein said optical reader substantially on receipt of said beeper control instruction actuates said acoustic output device so that said acoustic output device emits a series of beeps;

(d) wherein said system is further configured so that in a second mode said host processor sends to said optical reader a display control instruction, wherein said optical reader substantially on receipt of said display control instruction causes indicia to be displayed on said display.

105. (New) The system of claim 104, wherein said optical reader further includes a light source, and wherein said system is configured so that said host processor in a further mode sends to said optical reader a light source control instruction, said optical reader substantially on receipt of said light source instruction causes said light source to flash on and off.

106. (New) The system of claim 104, wherein said system is configured so that said display control instruction sent by said host processor in said second mode is initiated by a user by presenting at a location spaced apart from said optical reader a command to control said optical reader.

U. S. Patent Application No. 09/385,597
Amendment dated March 7, 2005
Reply to Office Action of October 5, 2004

107. (New) The system of claim 104, wherein said imaging assembly includes a two dimensional solid state image sensor.